IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method ~~to detect~~of detecting a picture repetition mode of film material comprising a series of consecutive fields, the method comprising the following steps:

Ø ~~Establishing~~ establishing a motion parameter pattern for said film material;

Ø ~~Comparing~~ comparing said pattern with a number of predetermined motion parameter patterns; and

Ø ~~Determining~~ determining said picture repetition mode using the result of the preceding step~~;~~,

characterized in that~~,~~ said ~~method includes the following~~establishing step comprises the sub-steps:

~~-~~ ~~Identifying~~ identifying a plurality of different objects within said consecutive fields, an object being defined as an image portion of said consecutive fields that can be described with a single motion model;

~~- Carrying out the following steps:~~ and

Ø ~~Establishing~~ establishing a motion parameter pattern for each one of said objects within said consecutive fields~~;~~,

~~Ø Comparing~~in that said comparing step comprises comparing each established ~~said~~ motion parameter pattern with a number of predetermined motion parameter patterns~~;~~,

~~Ø Determining~~and in that said determining step comprises determining said picture repetition mode for each one of said objects using the result of the ~~preceding~~ comparing step.

2. (Currently Amended) ~~Arrangement to detect~~An arrangement for detecting a picture repetition mode of film material comprising a series of consecutive fields, the arrangement comprising processing means and a memory ~~(M)~~, the processing means being arranged to ~~carry out the following steps:~~

~~Ø Establishing~~establish a motion parameter pattern for said film material~~;~~

~~Ø Comparing~~, compare said pattern with a number of predetermined motion parameter patterns stored in said memory ~~(M);~~

~~Ø Determining~~, and determine said picture repetition mode using the result of the preceding step~~;~~,

characterized in that~~,~~ said processing means ~~are arranged to carry out the following steps~~comprises:

~~-~~ ~~Identifying~~ means for identifying a plurality of different objects within said consecutive fields, an object being defined as an image portion of said consecutive fields that can be described with a single motion model;

~~- Carrying out the following steps:~~

Ø ~~Establishing~~ means for establishing a motion parameter pattern for each one of said objects within said consecutive fields;

Ø ~~Comparing said~~ means for comparing each established motion parameter pattern with a number of predetermined motion parameter patterns stored in said memory; and

Ø ~~Determining~~ means for determining said picture repetition mode for each one of said objects using the results of the ~~preceding step~~comparison.

3. (Currently Amended) ~~Arrangement according to~~ The arrangement as claimed in claim 2, wherein said ~~processing~~ identifying means ~~are arranged to identify~~identifies said plurality of different objects by also using a motion estimation technique.

4. (Currently Amended) ~~Arrangement according to~~The arrangement as claimed in claim 3, ~~comprising~~ wherein said identifying means comprises a plurality of motion model parameter estimators ~~(PEm(n))~~ operating in parallel to carry out said motion estimation technique.

5. (Currently Amended) ~~Arrangement according to~~ The arrangement as claimed in claim 2, ~~comprising~~ wherein said identifying means comprises a segmentation unit ~~(SU)~~ for performing

a recursive segmentation method to identify said plurality of objects.

6. (Currently Amended) ~~Arrangement according to~~ The arrangement as claimed in claim 2, ~~comprising~~ wherein said identifying means comprises a data reduction unit ~~(DRU)~~.

7. (Currently Amended) ~~Arrangement according to~~ The arrangement as claimed in claim 2, wherein said predetermined motion parameter patterns relate to at least one of the following set of film modes: a 2-2 pull-down mode, a 3-2 pull-down mode, and video mode.

8. (Currently Amended) ~~Arrangement according to~~ The arrangement as claimed in claim 2, ~~comprising~~ wherein said arrangement further comprises a film processing unit for carrying out a film material processing step.

9. (Currently Amended) ~~Arrangement according to~~ The arrangement as claimed in claim 8 wherein said film processing unit is arranged to carry out at least one of the following steps: picture rate conversion, de-interlacing, and film judder removal.

10. (Currently Amended) ~~Chip~~ A single chip package provided with an arrangement ~~according to~~ as claimed in claim 2.

11. (Currently Amended) ~~Television~~ A television apparatus provided with a single chip package as claimed in ~~according to~~ claim 10.

12. (Currently Amended) ~~Computer~~ A computer program product to be loaded ~~by~~ into a computer arrangement, said computer program product comprising instructions for causing said computer arrangement to detect a picture repetition mode of film material comprising a series of consecutive fields,
wherein the computer arrangement ~~comprising~~ comprises processing means and a memory ~~(M)~~, and wherein the computer program product, after being loaded into said computer arrangement, ~~providing~~ causes said processing means ~~with the capability to carry out the following steps~~:

~~Ø Establishing a motion parameter pattern for said film material;~~
~~Ø Comparing said pattern with a number of predetermined motion parameter patterns stored in said memory (M);~~
~~Ø Determining said picture repetition mode using the result of the preceding step;~~

~~characterized in that, said processing means are arranged to carry out the following steps:~~

- ~~Identifying~~ identify a plurality of different objects within said consecutive fields using a motion estimation, an object being defined as an image portion of said consecutive fields that can be described with a single motion model;

~~Carrying out the following steps:~~

Ø ~~Establishing~~ establish a motion parameter pattern for each one of said objects within said consecutive fields;

Ø ~~Comparing said~~compare each established motion parameter pattern with a number of predetermined motion parameter patterns stored in said memory ~~(M)~~; and

Ø ~~Determining~~ determine said picture repetition mode for each one of said objects using the result of the ~~preceding step~~comparison.

13. (Currently Amended) A data carrier provided with a computer program product ~~according to~~as claimed in claim 12.